BRUHATH BENGALURU MAHANAGARA PALIKE

EMB

FIRST AND PART BILL

Name of Work: Restoration and Improvements of roads at Hesaraghatta main road, G - Ramaiah layout, Sai Archade layout, Vijaya Bank Layout, Adityanagara Phase-02 and surrounding areas in Ward No.03 of Yelahanka New town Sub Division (Package No-09), BBMP, Bangalore.

BHURAT BANGALORE MAHANAGAR PALIKE

EXECUTIVE ENGINEER YELAHANKA DIVISION

Name the of Work : Restoration and Improvements of Roads at Hesaraghatta Main road, G Ramaiah layout, Sai Archade layout, Vijaya bank layout, Adityanagara Phase-02, and Surrounding areas in ward no-03 of Yelahanka New town Sub-division

Name of Contractor	:	Sri. K Venkataraju
Job No	:	003-22-000010
Work Order No	:	BBMP/EE/YNK.D/EPMT-08/WO/112/2021-22 Date : 15/02/2022
Estimate Cost	:	11.5 Cr
Date of Comensement	:	

First and Part

Pre-Measurement-sheet

Sl No	Description of work	Unit	No	Dimensions			Quantity	Rate	Amounts
				L in m	B in m	D in m			
1	KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of Design Mix M20 with OPC @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.460 cum, with super plasticisers @ 3 liters confirming to IS 9103-1999 reafirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM curing complete but excluding cost of								
	For RCC Drain								
	SubhaschandraBose Layout								
	Muneshwara Temple Road (LHS)								
From Subhas chandraBose Layout Main Road	0.00	15.00	1	15.00	1.00	1.00	15.00		
	15.00	30.00	1	15.00	1.00	1.00	15.00		
	30.00	32.80	1	2.80	1.00	1.00	2.80		
	32.80	41.80	1	9.00	1.00	1.00	9.00		
	41.80	56.80	1	15.00	1.00	1.00	15.00		
	56.80	71.80	1	15.00	1.00	1.00	15.00		
	71.80	86.80	1	15.00	1.00	1.00	15.00		
	86.80	101.80	1	15.00	1.00	1.00	15.00		
	101.80	116.80	1	15.00	1.00	1.00	15.00		
	116.80	125.10	1	8.30	1.00	1.00	8.30		
	125.10	140.10	1	15.00	1.00	1.00	15.00		
	140.10	144.20	1	4.10	1.00	1.00	4.10		
	144.20	150.40	1	6.20				Culvert	
	150.40	165.40	1	15.00	1.00	1.00	15.00		
	165.40	180.40	1	15.00	1.00	1.00	15.00		
	180.40	195.40	1	15.00	1.00	1.00	15.00		
	195.40	209.20	1	13.80	1.00	1.00	13		
	209.20	216.00	1	6.80				Culvert	
	Towards Ambabhavani Layout Main Road								
	0.00	8.50	1	8.50	1.00	1.00	8.50		
	8th Cross Road (RHS)								
From Subhas chandraBose Layout Main Road	0.00	15.00	1	15.00	1.00	1.00	15.00		
	15.00	30.00	1	15.00	1.00	1.00	15.00		
	30.00	45.00	1	15.00	1.00	1.00	15.00		
	45.00	60.00	1	15.00	1.00	1.00	15.00		
	60.00	75.00	1	15.00	1.00	1.00	15.00		
	75.00	90.00	1	15.00	1.00	1.00	15.00		
	90.00	100.60	1	10.60	1.00	1.00	10.60		
	7th Cross Road (RHS)								
From Subhas chandraBose Layout Main Road	0.00	15.00	1	15.00	1.00	1.00	15.00		
	15.00	30.00	1	15.00	1.00	1.00	15.00		
	30.00	45.00	1	15.00	1.00	1.00	15.00		
	45.00	60.00	1	15.00	1.00	1.00	15.00		
	60.00	75.00	1	15.00	1.00	1.00	15.00		

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Sl No	Description of work	Unit	No	Dimensions			Quantity	Rate	Amounts
				L in m	B in m	D in m			
	39.00	49.30	1	10.30	0.20	0.10	0.21		
	49.30	56.40	1	7.10	0.20	0.10	0.14		
1st Cross Road (LHS)									
From 1st Main Road	0.00	15.00	1	15.00	0.20	0.10	0.30		
	15.00	30.00	1	15.00	0.20	0.10	0.30		
	30.00	45.00	1	15.00	0.20	0.10	0.30		
	45.00	60.00	1	15.00	0.20	0.10	0.30		
	60.00	72.40	1	12.40	0.20	0.10	0.25		
1st Cross Road (RHS)									
From 1st Main Road	0.00	15.00	1	15.00	0.20	0.10	0.30		
	15.00	30.00	1	15.00	0.20	0.10	0.30		
	30.00	45.00	1	15.00	0.20	0.10	0.30		
	45.00	54.00	1	9.00	0.20	0.10	0.18		
	54.00	69.00	1	15.00	0.20	0.10	0.30		
	69.00	73.40	1	4.40	0.20	0.10	0.09		
Doddabettahalli School Building									
School Front									
			2	15.00	0.20	0.10	0.60		
			2	15.00	0.20	0.10	0.60		
			2	3.90	0.20	0.10	0.16		
For Footpath									
Doddabettahalli School Building									
School Front									
			1	15.00	10.40	0.30	46.80		
			1	15.00	10.40	0.30	46.80		
			1	3.90	9.90	0.30	11.58		
For Flooring									
Doddabettahalli School Building									
School Side Passage									
			1	9.00	1.35	0.30	3.65		
			1	9.30	1.30	0.30	3.63		
			1	8.20	1.25	0.30	3.08		
School Side Passage									
			1	15.00	1.40	0.30	6.30		
			1	11.60	1.70	0.30	5.92		
School Back Side									
			1	15.00	3.85	0.30	17.33		
			1	15.00	3.90	0.30	17.55		
			1	8.20	2.20	0.30	5.41		
							Total Quantity Work Done	5192.33	Cum
							Quantity Payable in this Bill Done	5192.33	191.64	995058.31
3	KSRRB M300-14. Excavation for roadwork in all types of soil by mechanical meanse including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to the embankment location and complete as per specifications. MORTH Specification No.301 (Page No.143 & Item No 19.14 SR2018-19)								
For Asphalt									
SubhaschandraBose Layout									
Muneshwara Temple Road									
From SubhaschandraBose Layout Main Road	0.00	15.00	1	15.00	5.45	0.40	32.70		
	15.00	30.00	1	15.00	5.30	0.40	31.80		
	30.00	45.00	1	15.00	5.15	0.40	30.90		
	45.00	60.00	1	15.00	5.05	0.40	30.30		
	60.00	75.00	1	15.00	4.95	0.40	29.70		
	75.00	90.00	1	15.00	5.13	0.40	30.78		

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Sl No	Description of work	Unit	No	Dimensions			Quantity	Rate	Amounts
				L in m	B in m	D in m			
4	KSRB 4-1.3 : Providing and laying in position plain cement concrete of Mix 1:4:8 with OPC @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM curing complete as per specifications.Specification No. KBS 4.1,								
	For RCC Drain								
	SubhaschandraBose Layout								
	Muneshwara Temple Road (LHS)								
From Subhas chandraBose Layout Main Road	0.00	15.00	1	15.00	1.00	0.15	2.25		
	15.00	30.00	1	15.00	1.00	0.15	2.25		
	30.00	32.80	1	2.80	1.00	0.15	0.42		
	32.80	41.80	1	9.00	1.00	0.15	1.35		
	41.80	56.80	1	15.00	1.00	0.15	2.25		
	56.80	71.80	1	15.00	1.00	0.15	2.25		
	71.80	86.80	1	15.00	1.00	0.15	2.25		
	86.80	101.80	1	15.00	1.00	0.15	2.25		
	101.80	116.80	1	15.00	1.00	0.15	2.25		
	116.80	125.10	1	8.30	1.00	0.15	1.25		
	125.10	140.10	1	15.00	1.00	0.15	2.25		
	140.10	144.20	1	4.10	1.00	0.15	0.62		
	144.20	150.40	1	6.20				Culvert	
	150.40	165.40	1	15.00	1.00	0.15	2.25		
	165.40	180.40	1	15.00	1.00	0.15	2.25		
	180.40	195.40	1	15.00	1.00	0.15	2.25		
	195.40	209.20	1	13.80	1.00	0.15	2.07		
	209.20	216.00	1	6.80				Culvert	
	Towards Ambabhavani Layout Main Road								
	0.00	8.50	1	8.50	1.00	0.15	1.28		
	8th Cross Road (RHS)								
From Subhas chandraBose Layout Main Road	0.00	15.00	1	15.00	1.00	0.15	2.25		
	15.00	30.00	1	15.00	1.00	0.15	2.25		
	30.00	45.00	1	15.00	1.00	0.15	2.25		
	45.00	60.00	1	15.00	1.00	0.15	2.25		
	60.00	75.00	1	15.00	1.00	0.15	2.25		
	75.00	90.00	1	15.00	1.00	0.15	2.25		
	90.00	100.60	1	10.60	1.00	0.15	1.59		
	7th Cross Road (RHS)								
From Subhas chandraBose Layout Main Road	0.00	15.00	1	15.00	1.00	0.15	2.25		
	15.00	30.00	1	15.00	1.00	0.15	2.25		
	30.00	45.00	1	15.00	1.00	0.15	2.25		
	45.00	60.00	1	15.00	1.00	0.15	2.25		
	60.00	75.00	1	15.00	1.00	0.15	2.25		
	75.00	90.00	1	15.00	1.00	0.15	2.25		
	90.00	104.20	1	14.20	1.00	0.15	2.13		
	1st Cross Road Lakshmi Polyclinic (RHS)								
From Subhas chandraBose Layout Main Road	0.00	15.00	1	15.00	1.00	0.15	2.25		
	15.00	30.00	1	15.00	1.00	0.15	2.25		
	30.00	45.00	1	15.00	1.00	0.15	2.25		
	45.00	57.10	1	12.10	1.00	0.15	1.82		
	Mamma Rotti Road								
	L Shape 1st Cross Road (LHS)								
From Lakshmipura Main Road	0.00	15.00	1	15.00	1.00	0.15	2.25		
	15.00	30.00	1	15.00	1.00	0.15	2.25		
	30.00	45.00	1	15.00	1.00	0.15	2.25		
	45.00	60.00	1	15.00	1.00	0.15	2.25		
	60.00	75.00	1	15.00	1.00	0.15	2.25		

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Sl No	Description of work	Unit	No	Dimensions			Quantity	Rate	Amounts
				L in m	B in m	D in m			
	6th Main Road (LHS)								
	0.00	7.90	1	7.90	1.20	0.20	1.90		
	6th Main Road (RHS)								
	0.00	7.60	1	7.60	1.20	0.20	1.82		
	6th "C" Dead End								
	0.00	8.20	1	8.20	1.20	0.20	1.97		
	For Footpath								
	Doddabettahalli School Building								
	School Front								
			1	15.00	10.40	0.15	23.40		
			1	15.00	10.40	0.15	23.40		
			1	3.90	9.90	0.15	5.79		
	For Flooring								
	Doddabettahalli School Building								
	School Side Passage								
			1	9.00	1.35	0.15	1.82		
			1	9.30	1.30	0.15	1.81		
			1	8.20	1.25	0.15	1.54		
	School Side Passage								
			1	15.00	1.40	0.15	3.15		
			1	11.60	1.70	0.15	2.96		
	School Back Side								
			1	15.00	3.85	0.15	8.66		
			1	15.00	3.90	0.15	8.78		
			1	8.20	2.20	0.15	2.71		
					Total Quantity Work Done		821.71	Cum	
					Quantity Payable in this Bill Done		821.71	5462.20	4488363.48
5	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500, 1700, 2200 including cost of materials, labour, HOM complete as per specifications. -do- Wall & bottom thickness 15cm (Page No.271 & Item No-37.59.2)								
					Qty Recorded on Measurement Sheet				
					Total Quantity Work Done		1541.81	Cum	
					Quantity Payable in this Bill Done		1541.81	7140.90	
6	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.21 (Page.No.16 & Item No-4.31)								
	For RCC Culvert								
	SubhaschandraBose Layout								
	Muneshwara Temple Road								
Center	0.00	5.60	4	5.60			0.90	20.16	
RHS	0.00	5.60	4	5.60			0.90	20.16	
LHS	0.00	6.20	4	6.20			0.90	22.32	
Dead End	0.00	6.80	4	6.80			0.90	24.48	
	Mamma Rotti Road								
	L Shape 1st Cross Road (LHS)								
	0.00	8.10	4	8.10			0.90	29.16	
	L Shape 1st Cross Road (RHS)								
From Angle Stich Kraft	0.00	7.80	4	7.80			0.90	28.08	
	0.00	7.00	4	7.00			0.90	25.20	

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Sl No	Description of work	Unit	No	Dimensions L in m	B in m	D in m	Quantity	Rate	Amounts
	0.00	6.20	4	6.20		0.90	22.32		
	0.00	12.70	4	12.70		0.90	45.72		
	0.00	7.80	4	7.80		0.90	28.08		
	Adithya Nagar								
	Main Road (RHS)								
	0.00	5.70	4	5.70		0.90	20.52		
	Akshay Layout								
	1st Cross Road (RHS)								
	0.00	8.10	4	8.10		0.90	29.16		
	2nd Cross Road (LHS)								
	0.00	8.40	4	8.40		0.90	30.24		
	2nd Cross Road (RHS)								
	0.00	8.40	4	8.40		0.90	30.24		
	Enrich Brindavana Layout Road (Doddabetthalli)								
	6th Main Road (LHS)								
	0.00	7.10	4	7.10		0.90	25.56		
	6th Main Road (LHS)								
	0.00	8.50	4	8.50		0.90	30.60		
	0.00	5.30	4	5.30		0.90	19.08		
	0.00	7.60	4	7.60		0.90	27.36		
	Anugraha Layout								
	3rd Cross Road								
	0.00	4.30	4	4.30		0.90	15.48		
	Opposite to 3rd Cross Road								
	0.00	4.90	4	4.90		0.90	17.64		
	Towards Lotus Farm								
	6th Main Road (RHS)								
	0.00	7.60	4	7.60		0.90	27.36		
						Total Quantity Work Done	538.92	Sqm	
						Quantity Payable in this Bill Done	538.92	383.27	206551.87
7	KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of Design Mix M20 with OPC @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.460 cum, with super plasticisers @ 3 liters confirming to IS 9103-1999 reafirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6 (Page.No.14 & Item No-4.11)									
	Qty Recorded on Measurement Sheet								
						Total Quantity Work Done	99.32	Cum	
						Quantity Payable in this Bill Done	99.32	6058.53	
8	KSRRB M2200-6. Providing T.M.T. steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in position, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per disign (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specification.								
Sl no	**Dia of Bar in mm**	**Side**	**Spacing of Bar**	**Nos**	**Type of Bar**	**Standard Weight per Meter in kgs**	**Weight of Steel in kgs**	**Rate**	
	For Drain								

Sl No	Description of work	Unit	No	Dimensions L in m	Dimensions B in m	Dimensions D in m	Quantity	Rate	Amounts
	Adithya Nagar								
	Main Road (RHS)								
1.00	10.00	1.00	150mm/CC	9	Distribution	0.62	32		
2.00	12.00	1.00	150mm C/c	38	Main Bar	0.89	88		
	Akshay Layout								
	1st Cross Road (RHS)								
1.00	10.00	1.00	150mm/CC	9	Distribution	0.62	45		
2.00	12.00	1.00	150mm C/c	54	Main Bar	0.89	125		
	2nd Cross Road (LHS)								
1.00	10.00	1.00	150mm/CC	9	Distribution	0.62	47		
2.00	12.00	1.00	150mm C/c	56	Main Bar	0.89	130		
	2nd Cross Road (RHS)								
1.00	10.00	1.00	150mm/CC	9	Distribution	0.62	47		
2.00	12.00	1.00	150mm C/c	56	Main Bar	0.89	130		
	Anugraha Layout								
	3rd Cross Road								
1.00	10.00	1.00	150mm/CC	9	Distribution	0.62	24		
2.00	12.00	1.00	150mm C/c	29	Main Bar	0.89	66		
	Opposite to 3rd Cross Road								
1.00	10.00	1.00	150mm/CC	9	Distribution	0.62	27		
2.00	12.00	1.00	150mm C/c	33	Main Bar	0.89	76		
	Enrich Brindavana Layout Road (Doddabetthalli)								
	6th Main Road (LHS)								
1.00	10.00	1.00	150mm/CC	9	Distribution	0.62	40		
2.00	12.00	1.00	150mm C/c	47	Main Bar	0.89	110		
	6th Main Road (LHS)								
1.00	10.00	1.00	150mm/CC	9	Distribution	0.62	47		
2.00	12.00	1.00	150mm C/c	57	Main Bar	0.89	131		
1.00	10.00	1.00	150mm/CC	9	Distribution	0.62	30		
2.00	12.00	1.00	150mm C/c	35	Main Bar	0.89	82		
1.00	10.00	1.00	150mm/CC	9	Distribution	0.62	42		
2.00	12.00	1.00	150mm C/c	51	Main Bar	0.89	117		
						Total Quantity of Steel in Kg's	98795.8	Tonne	
						Total Quantity of Steel in Tonne's	98.80	80498.07	7952873.67
12	Supply and fixing Precast reinforced concrete slab 10cm thick including cost of reinforcement as per design and drawing, material cost, transportation, hire charges of machinery, machine cutting the vertical face to get plain even surface etc., complete with all leads and lift conveyance charges, labour charges inclusive of cost of all materials								
	Qty Recorded on Measurement Sheet								
						Total Quantity Work Done	4132.35	Cum	
						Quantity Payable in this Bill Done	4132.35	1941.22	
13	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete. - do - 10 cms thick (Page No.27 & Item No- 5.31.2)								
	Qty Recorded on Measurement Sheet								
						Total Quantity Work Done	40.32	976.39	
						Quantity Payable in this Bill Done	40.32	976.39	
14	KSRB 5-8.1 : Providing one line dressing to granite stone slab / granite stone masonry as per specifications. KBS 5.1.13(Page No.26 & Item No- 5.17)								
	Qty Recorded on Measurement Sheet								

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Sl No	Description of work	Unit	No	Dimensions			Quantity	Rate	Amounts
				L in m	B in m	D in m			
(L Shape)	30.00	45.00	1	15.00	5.25	0.15	11.81		
	45.00	48.80	1	3.80	4.85	0.15	2.76		
			5th Main Road						
From Main Road (L Shape)	0.00	15.00	1	15.00	5.35	0.15	12.04		
	15.00	30.00	1	15.00	5.30	0.15	11.93		
	30.00	45.00	1	15.00	5.25	0.15	11.81		
	45.00	60.00	1	15.00	5.25	0.15	11.81		
	60.00	75.00	1	15.00	5.15	0.15	11.59		
	75.00	77.00	1	2.00	5.05	0.15	1.52		
						Total Quantity Work Done	551.64	Cum	
						Quantity Payable in this Bill Done	551.64	2014.87	1111482.89
22	KSRRB M400- Wet Mix Macadam KSRRB M400-17. Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406 (P.No.155 I.No.20.18)								
	For Asphalt								
	SubhaschandraBose Layout								
	Muneshwara Temple Road								
From SubhaschandraBose Layout Main Road	0.00	15.00	1	15.00	5.45	0.20	16.35		
	15.00	30.00	1	15.00	5.30	0.20	15.90		
	30.00	45.00	1	15.00	5.15	0.20	15.45		
	45.00	60.00	1	15.00	5.05	0.20	15.15		
	60.00	75.00	1	15.00	4.95	0.20	14.85		
	75.00	90.00	1	15.00	5.13	0.20	15.39		
	90.00	105.00	1	15.00	5.30	0.20	15.90		
	105.00	120.00	1	15.00	4.90	0.20	14.70		
	120.00	135.00	1	15.00	4.50	0.20	13.50		
	135.00	145.00	1	10.00	4.98	0.20	9.96		
	145.00	160.00	1	15.00	5.45	0.20	16.35		
	160.00	175.00	1	15.00	5.00	0.20	15.00		
	175.00	190.00	1	15.00	4.55	0.20	13.65		
	190.00	205.00	1	15.00	4.55	0.20	13.65		
	205.00	216.00	1	11.00	3.98	0.20	8.76		
			7th Cross Road						
From SubhaschandraBose Layout Main Road	0.00	15.00	1	15.00	7.00	0.20	21.00		
	15.00	30.00	1	15.00	6.75	0.20	20.25		
	30.00	45.00	1	15.00	6.65	0.20	19.95		
	45.00	60.00	1	15.00	6.63	0.20	19.89		
	60.00	75.00	1	15.00	6.63	0.20	19.89		
	75.00	90.00	1	15.00	6.90	0.20	20.70		
	90.00	105.00	1	15.00	6.85	0.20	20.55		
			1st Cross Road						
From SubhaschandraBose Layout Main Road	0.00	15.00	1	15.00	5.40	0.20	16.20		
	15.00	30.00	1	15.00	5.50	0.20	16.50		
	30.00	45.00	1	15.00	5.85	0.20	17.55		
	45.00	57.10	1	12.10	6.25	0.20	15.13		
	Enrich Brindavana Layout								
	Main Road								
From 6th Main Road	0.00	15.00	1	15.00	6.10	0.20	18.30		
	15.00	30.00	1	15.00	6.30	0.20	18.90		
	30.00	45.00	1	15.00	6.40	0.20	19.20		

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Sl No	Description of work	Unit	No	Dimensions			Quantity	Rate	Amounts
				L in m	B in m	D in m			
	45.00	60.00	1	15.00	6.45	0.20	19.35		
	60.00	75.00	1	15.00	6.50	0.20	19.50		
	75.00	77.00	1	2.00	6.55	0.20	2.62		
			3rd Main Road						
From 6th Main Road	0.00	15.00	1	15.00	5.55	0.20	16.65		
	15.00	30.00	1	15.00	5.70	0.20	17.10		
	30.00	45.00	1	15.00	5.90	0.20	17.70		
	45.00	60.00	1	15.00	6.20	0.20	18.60		
	60.00	70.00	1	10.00	6.60	0.20	13.20		
			4th Main Road						
From Main Road (L Shape)	0.00	15.00	1	15.00	5.40	0.20	16.20		
	15.00	30.00	1	15.00	5.25	0.20	15.75		
	30.00	45.00	1	15.00	5.25	0.20	15.75		
	45.00	48.80	1	3.80	4.85	0.20	3.69		
			5th Main Road						
From Main Road (L Shape)	0.00	15.00	1	15.00	5.35	0.20	16.05		
	15.00	30.00	1	15.00	5.30	0.20	15.90		
	30.00	45.00	1	15.00	5.25	0.20	15.75		
	45.00	60.00	1	15.00	5.25	0.20	15.75		
	60.00	75.00	1	15.00	5.15	0.20	15.45		
	75.00	77.00	1	2.00	5.05	0.20	2.02		
							Total Quantity Work Done	735.52	Cum 2021.29	1486699.22
							Quantity Payable in this Bill Done	735.52		
23	KSRRB M500-6. Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications Clause 502 of MORTH V revision(P.No-158,I No-21.6), Issue rate on 01/01/2021								
	For Asphalt								
	SubhaschandraBose Layout								
	Muneshwara Temple Road								
From Subhas chandraBose Layout Main Road	0.00	15.00	1	15.00	5.45		81.75		
	15.00	30.00	1	15.00	5.30		79.50		
	30.00	45.00	1	15.00	5.15		77.25		
	45.00	60.00	1	15.00	5.05		75.75		
	60.00	75.00	1	15.00	4.95		74.25		
	75.00	90.00	1	15.00	5.13		76.95		
	90.00	105.00	1	15.00	5.30		79.50		
	105.00	120.00	1	15.00	4.90		73.50		
	120.00	135.00	1	15.00	4.50		67.50		
	135.00	145.00	1	10.00	4.98		49.80		
	145.00	160.00	1	15.00	5.45		81.75		
	160.00	175.00	1	15.00	5.00		75.00		
	175.00	190.00	1	15.00	4.55		68.25		
	190.00	205.00	1	15.00	4.55		68.25		
	205.00	216.00	1	11.00	3.98		43.78		
			7th Cross Road						
From Subhas chandraBose Layout Main Road	0.00	15.00	1	15.00	7.00		105.00		
	15.00	30.00	1	15.00	6.75		101.25		
	30.00	45.00	1	15.00	6.65		99.75		
	45.00	60.00	1	15.00	6.63		99.45		
	60.00	75.00	1	15.00	6.63		99.45		
	75.00	90.00	1	15.00	6.90		103.50		
	90.00	105.00	1	15.00	6.85		102.75		

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Sl No	Description of work	Unit	No	Dimensions			Quantity	Rate	Amounts
				L in m	B in m	D in m			
	1st Cross Road								
From Subhas chandraBose Layout Main Road	0.00	15.00	1	15.00	5.40		81.00		
	15.00	30.00	1	15.00	5.50		82.50		
	30.00	45.00	1	15.00	5.85		87.75		
	45.00	57.10	1	12.10	6.25		75.63		
	Enrich Brindavana Layout								
	Main Road								
From 6th Main Road	0.00	15.00	1	15.00	6.10		91.50		
	15.00	30.00	1	15.00	6.30		94.50		
	30.00	45.00	1	15.00	6.40		96.00		
	45.00	60.00	1	15.00	6.45		96.75		
	60.00	75.00	1	15.00	6.50		97.50		
	75.00	77.00	1	2.00	6.55		13.10		
	3rd Main Road								
From 6th Main Road	0.00	15.00	1	15.00	5.55		83.25		
	15.00	30.00	1	15.00	5.70		85.50		
	30.00	45.00	1	15.00	5.90		88.50		
	45.00	60.00	1	15.00	6.20		93.00		
	60.00	70.00	1	10.00	6.60				
	4th Main Road								
From Main Road (L Shape)	0.00	15.00	1	15.00	5.40		81.00		
	15.00	30.00	1	15.00	5.25		78.75		
	30.00	45.00	1	15.00	5.25		78.75		
	45.00	48.80	1	3.80	4.85		18.43		
	5th Main Road								
From Main Road (L Shape)	0.00	15.00	1	15.00	5.35		80.25		
	15.00	30.00	1	15.00	5.30		79.50		
	30.00	45.00	1	15.00	5.25		78.75		
	45.00	60.00	1	15.00	5.25		78.75		
	60.00	75.00	1	15.00	5.15		77.25		
	75.00	77.00	1	2.00	5.05		10.10		
						Total Quantity Work Done	3677.61	Sqm	
						Quantity Payable in this Bill Done	3677.61	34.26	125994.92
24	KSRRB M500-17. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH table 500-10 complete in all respects complete as per specifications.. MORTH Specification No. 507 - using 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75 mm) with 4.5 % VG-30 Bitumen(P.No.171								
	For Asphalt								
	SubhaschandraBose Layout								
	Muneshwara Temple Road								
From Subhas chandraBose Layout Main Road	0.00	15.00	1	15.00	5.45	0.05	4.09		
	15.00	30.00	1	15.00	5.30	0.05	3.98		
	30.00	45.00	1	15.00	5.15	0.05	3.86		
	45.00	60.00	1	15.00	5.05	0.05	3.79		
	60.00	75.00	1	15.00	4.95	0.05	3.71		
	75.00	90.00	1	15.00	5.13	0.05	3.85		
	90.00	105.00	1	15.00	5.30	0.05	3.98		
	105.00	120.00	1	15.00	4.90	0.05	3.68		
	120.00	135.00	1	15.00	4.50	0.05	3.38		
	135.00	145.00	1	10.00	4.98	0.05	2.49		
	145.00	160.00	1	15.00	5.45	0.05	4.09		

Sl No	Description of work	Unit	No	Dimensions			Quantity	Rate	Amounts
				L in m	B in m	D in m			
	160.00	175.00	1	15.00	5.00	0.05	3.75		
	175.00	190.00	1	15.00	4.55	0.05	3.41		
	190.00	205.00	1	15.00	4.55	0.05	3.41		
	205.00	216.00	1	11.00	3.98	0.05	2.19		
	7th Cross Road								
From Subhas chandraBose Layout Main Road	0.00	15.00	1	15.00	7.00	0.05	5.25		
	15.00	30.00	1	15.00	6.75	0.05	5.06		
	30.00	45.00	1	15.00	6.65	0.05	4.99		
	45.00	60.00	1	15.00	6.63	0.05	4.97		
	60.00	75.00	1	15.00	6.63	0.05	4.97		
	75.00	90.00	1	15.00	6.90	0.05	5.18		
	90.00	105.00	1	15.00	6.85	0.05	5.14		
	1st Cross Road								
From Subhas chandraBose Layout Main Road	0.00	15.00	1	15.00	5.40	0.05	4.05		
	15.00	30.00	1	15.00	5.50	0.05	4.13		
	30.00	45.00	1	15.00	5.85	0.05	4.39		
	45.00	57.10	1	12.10	6 25	0.05	3.78		
	Enrich Brindavana Layout								
	Main Road								
From 6th Main Road	0.00	15.00	1	15.00	6.10	0.05	4.58		
	15.00	30.00	1	15.00	6.30	0.05	4.73		
	30.00	45.00	1	15.00	6.40	0.05	4.80		
	45.00	60.00	1	15.00	6.45	0.05	4.84		
	60.00	75.00	1	15.00	6.50	0.05	4.88		
	75.00	77.00	1	2.00	6.55	0.05	0.66		
	3rd Main Road								
From 6th Main Road	0.00	15.00	1	15.00	5.55	0.05	4.28		
	15.00	30.00	1	15.00	5.70	0.05	4.28		
	30.00	45.00	1	15.00	5.90	0.05	4.43		
	45.00	60.00	1	15.00	6.20	0.05	4.65		
	60.00	70.00	1	10.00	6.60	0.05	3.30		
	4th Main Road								
From Main Road (L Shape)	0.00	15.00	1	15.00	5.40	0.05	4.05		
	15.00	30.00	1	15.00	5.25	0.05	3.94		
	30.00	45.00	1	15.00	5.25	0.05	3.94		
	45.00	48.80	1	3.80	4.85	0.05	0.92		
	5th Main Road								
From Main Road (L Shape)	0.00	15.00	1	15.00	5.35	0.05	4.01		
	15.00	30.00	1	15.00	5.30	0.05	3.98		
	30.00	45.00	1	15.00	5.25	0.05	3.94		
	45.00	60.00	1	15.00	5.25	0.05	3.94		
	60.00	75.00	1	15.00	5.15	0.05	3.86		
	75.00	77.00	1	2.00	5.05	0.05	0.51		
						Total Quantity Work Done		183.88	Cum
						Quantity Payable in this Bill Done		183.88	7365.73	1354410.43
25	KSRRB 500-7. Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM complete as per specifications (P.No-158,I No-21.7)Issue rate on 01/01/2021								
	For Asphalt								
	SubhaschandraBose Layout								
	Muneshwara Temple Road								
From Subhas	0.00	15.00	1	15.00	5.45		81.75		

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Sl No	Description of work	Unit	No	Dimensions			Quantity	Rate	Amounts
				L in m	B in m	D in m			
					Quantity Payable in this Bill Done		3678.26	12.85	47265.64
26	KSRRB M500-19. Providing and laying bituminous concrete using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications. Clause 507 of MORTH V revision using40/60 TPH capacity H.M.P. with Mechanical Paver Gr-II (30 mm to 40 mm) with 5.4% VG-30 Bitumen (P.No.162, I.No.21.22.6) Issue rate on 01/01/2021								
				Qty Recorded on Measurement Sheet					
					Total Quantity Work Done		158.14	Cum	
					Quantity Payable in this Bill Done		158.14	8534.82	
27	KSRB 15-19.2 :Providing and applying ready mix priming coat over concrete/masonry/asbestos cement sheet/plastered surfaces including preparing the surface after throughly cleaning of oil,grease,dirt and other foreign matter and sand papering including cost of materials, labour, complete as per specifications. (Page No.124 & Item No.15.80)								
				Qty Recorded on Measurement Sheet					
					Total Quantity Work Done		1876.12	Sqm	
					Quantity Payable in this Bill Done		1876.12	39.61	
28	KSRB 800-1.Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. (Page No.180 & Item No.24.1)								
				Qty Recorded on Measurement Sheet					
					Total Quantity Work Done		1876.12	Sqm	
					Quantity Payable in this Bill Done		1876.12	85.65	
								Total Construction Cost:	18402397.18
								Towards GST 12%	2208287.66
								Total:	20610684.84

Certificate:

1. The work spot has been inspected and found to be necessary
2. The work spot comes under BBMP Limits
3. The estimate is based on CSR of 2018-19

Assistant Engineer
Ward No 3
BBMP-Bengaluru

Executive Engineer
Yelahanka Division
BBMP-Bengaluru

BHURAT BANGALORE MAHANAGAR PALIKE

EXECUTIVE ENGINEER YELAHANKA DIVISION

Name the of Work : Restoration and Improvements of Roads at Hesaraghatta Main road, G Ramaiah layout, Sai Archade layout, Vijaya bank layout, Adityanagara Phase-02, and Surrounding areas in ward no-03 of Yelahanka New town Sub-division

Name of Contractor	Sri. K Venkataraju
Job No	003-22-000010
Work Order No	BBMP/EE/YNK.D/EPMT-08/WO/112/2021-22 Date : 15/02/2022
Estimate Cost	11.5 Cr
Date of Comensement	

First and Part

Measurement-sheet

Sl No	Description of work	Unit	No	Dimensions L in m			B in m	D in m	Quantity	Rate	Amounts
5	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500, 1700, 2200 including cost of materials, labour, HOM complete as per specifications. -do- Wall & bottom thickness 15cm (Page No.271 & Item No-37.59.2)										
	Qty Recorded on Measurement Sheet										
	Total Quantity Work Done								1541.81	Cum	
	Quantity Payable in this Bill Done								1541.81	7140.90	11009881.75
7	KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of Design Mix M20 with OPC @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @ 0.460 cum, with super plasticisers @ 3 liters confirming to IS 9103-1999 reafirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6 (Page.No.14 & Item No 4.11)										
	Qty Recorded on Measurement Sheet										
	Total Quantity Work Done								99.32	Cum	
	Quantity Payable in this Bill Done								99.32	6058.53	601739.26
12	Supply and fixing Precast reinforced concrete slab 10cm thick including cost of reinforcement as per design and drawing, material cost, transportation, hire charges of machinery, machine cutting the vertical face to get plain even surface etc., complete with all leads and lift conveynce charges, labour charges inclusive of cost of all materials.										
	Qty Recorded on Measurement Sheet										
	Total Quantity Work Done								4132.35	Cum	
	Quantity Payable in this Bill Done								4132.35	1941.22	8021800.47
13	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete. - do - 10 cms thick (Page No.27 & Item No- 5.31.2)										
	Qty Recorded on Measurement Sheet										
	Total Quantity Work Done								40.32	976.39	
	Quantity Payable in this Bill Done								40.32	976.39	39368.04
14	KSRB 5-8.1 : Providing one line dressing to granite stone slab / granite stone masonry as per specifications. KBS 5.1.13(Page No.26 & Item No- 5.17)										
	Qty Recorded on Measurement Sheet										
	Total Quantity Work Done								40.32	Sqm	
	Quantity Payable in this Bill Done								40.32	960.33	38720.51
15	Supply and fixing Precast reinforced concrete slab 23cm thick including cost of reinforcement as per design and drawing, material cost, transportation, hire charges of machinery, machine cutting the vertical face to get plain even surface etc., complete with all leads and lift conveynce charges, labour charges inclusive of cost of all materials.										
	Qty Recorded on Measurement Sheet										
	Total Quantity Work Done								179.64	Sqm	
	Quantity Payable in this Bill Done								179.64	4530.91	813932.67

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17	Providing and fixing pre cast solid cement concrete kerb stones made out of C.C. 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc., complete. (Page No.27 & Item No. 5.30)			
	Qty Recorded on Measurement Sheet			
	Total Quantity Work Done	10422.89	No,s	
	Quantity Payable in this Bill Done	11280.00	436.80	4927104.00
26	KSRRB M500-19. Providing and laying bituminous concrete using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications. Clause 507 of MORTH V revision using;40/60 TPH capacity H.M.P. with Mechanical Paver Gr-II (30 mm to 40 mm) with 5.4% VG-30 Bitumen (P.No.162, I.No.21.22.6) Issue rate on 01/01/2021			
	Qty Recorded on Measurement Sheet			
	Total Quantity Work Done	158.14	Cum	
	Quantity Payable in this Bill Done	158.14	8534.82	1349670.96
27	KSRB 15-19.2 :Providing and applying ready mix priming coat over concrete/masonry/asbestos cement sheet/plastered surfaces including preparing the surface after throughly cleaning of oil,grease,dirt and other foreign matter and sand papering including cost of materials, labour, complete as per specifications. (Page No.124 & Item No.15.80)			
	Qty Recorded on Measurement Sheet			
	Total Quantity Work Done	1876.12	Sqm	
	Quantity Payable in this Bill Done	1876.12	39.61	74313.11
28	KSRB 800-1.Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. (Page No.180 & Item No.24.1)			
	Qty Recorded on Measurement Sheet			
	Total Quantity Work Done	1876.12	Sqm	
	Quantity Payable in this Bill Done	1876.12	85.65	160689.68
			Total Construction Cost:	27037220.45
			Towards GST 12%	3244466.45
			Total:	30281686.90

Certificate:

1. The work spot has been inspected and found to be necessary
2. The work spot comes under BBMP Limits
3. The estimate is based on CSR of 2018-19

Assistant Engineer
Ward No 3
BBMP-Bengaluru

Assistant Executive Engineer
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Executive Engineer
Yelahanka Division
BBMP-Bengaluru

BHURAT BENGALURU MAHANAGAR PALIKE

YELAHANKA ZONE

Name of the work : Restoration and Improvements of Roads at Hesaraghatta Main road, G Ramaiah layout, Sai Archade layout, Vijaya bank layout, Adityanagara Phase-02, and Surrounding areas in ward no-03 of Yelahanka New town Sub-division

Date of Pre-Measurement :

First and Part

Pre-Measurement Sheet

Item No :-	Description of Item	No	Length	Breadth	Depth	Qty	Rate	Amount
5	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500, 1700, 2200 including cost of materials, labour, HOM complete as per specifications. -do- Wall & bottom thickness 15cm (Page.No.271 & Item No-37.59.2)							
	For RCC Drain Raft							
	SubhaschandraBose Layout							
	Muneshwara Temple Road (LHS)							
From Subhas chandraBose Layout Main Road	0.00	15.00	1	15.00	0.90	0.15	2.03	
	15.00	30.00	1	15.00	0.90	0.15	2.03	
	30.00	32.80	1	2.80	0.90	0.15	0.38	
	32.80	41.80	1	9.00	0.90	0.15	1.22	
	41.80	56.80	1	15.00	0.90	0.15	2.03	
	56.80	71.80	1	15.00	0.90	0.15	2.03	
	71.80	86.80	1	15.00	0.90	0.15	2.03	
	86.80	101.80	1	15.00	0.90	0.15	2.03	
	101.80	116.80	1	15.00	0.90	0.15	2.03	
	116.80	125.10	1	8.30	0.90	0.15	1.12	
	125.10	140.10	1	15.00	0.90	0.15	2.03	
	140.10	144.20	1	4.10	0.90	0.15	0.55	
	144.20	150.40	1	6.20				Culvert
	150.40	165.40	1	15.00	0.90	0.15	2.03	
	165.40	180.40	1	15.00	0.90	0.15	2.03	
	180.40	195.40	1	15.00	0.90	0.15	2.03	
	195.40	209.20	1	13.80	0.90	0.15	1.86	
	209.20	216.00	1	6.80				Culvert
	Towards Ambabhavani Layout Main Road							
	0.00	8.50	1	8.50	0.90	0.15	1.15	
	8th Cross Road (RHS)							
From Subhas chandraBose Layout Main Road	0.00	15.00	1	15.00	0.90	0.15	2.03	
	15.00	30.00	1	15.00	0.90	0.15	2.03	
	30.00	45.00	1	15.00	0.90	0.15	2.03	
	45.00	60.00	1	15.00	0.90	0.15	2.03	
	60.00	75.00	1	15.00	0.90	0.15	2.03	

Item No :-	Description of Item		No	Length	Breadth	Depth	Qty	Rate	Amount
	2nd Cross Road (RHS)								
From 1st Main Road	0.00	15.00	2	15.00	0.15	0.65	2.93		
	15.00	30.00	2	15.00	0.15	0.65	2.93		
	30.00	39.00	2	9.00	0.15	0.65	1.76		
	39.00	49.30	2	10.30	0.15	0.65	2.01		
	49.30	56.40	2	7.10	0.15	0.65	1.38		
	1st Cross Road (LHS)								
From 1st Main Road	0.00	15.00	2	15.00	0.15	0.60	2.70		
	15.00	30.00	2	15.00	0.15	0.60	2.70		
	30.00	45.00	2	15.00	0.15	0.60	2.70		
	45.00	60.00	2	15.00	0.15	0.56	2.52		
	60.00	72.40	2	12.40	0.15	0.56	2.08		
	1st Cross Road (RHS)								
From 1st Main Road	0.00	15.00	2	15.00	0.15	0.60	2.70		
	15.00	30.00	2	15.00	0.15	0.60	2.70		
	30.00	45.00	2	15.00	0.15	0.60	2.70		
	45.00	54.00	2	9.00	0.15	0.60	1.62		
	54.00	69.00	2	15.00	0.15	0.56	2.52		
	69.00	73.40	2	4.40	0.15	0.56	0.74		
	For Flooring								
	Doddabettahalli School Building								
	School Side Passage								
			1	9.00	1.35	0.15	1.82		
			1	9.30	1.30	0.15	1.81		
			1	8.20	1.25	0.15	1.54		
	School Side Passage								
			1	15.00	1.40	0.15	3.15		
			1	11.60	1.70	0.15	2.96		
	School Back Side								
			1	15.00	3.85	0.15	8.66		
			1	15.00	3.90	0.15	8.78		
			1	8.20	2.20	0.15	2.71		
	Total Quantity Work Done						**1541.81**	Cum	
	Quantity Payable in this Bill Done						**1541.81**	**7140.90**	**11009881.75**

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ಜಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

Contractor

Assistant Engineer

Asst, Executive Engineer

BHURAT BENGALURU MAHANAGAR PALIKE

YELAHANKA ZONE

Name of the work : Restoration and Improvements of Roads at Hesaraghatta Main road, G Ramaiah layout, Sai Archade layout, Vijaya bank layout, Adityanagara Phase-02, and Surrounding areas in ward no-03 of Yelahanka New town Sub-division

Date of Pre-Measurement :

First and Part

Pre-Measurement Sheet

Item No :-	Description of Item	No	Length	Breadth	Depth	Qty	Rate	Amount
7	KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of Design Mix M20 with OPC @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.460 cum, with super plasticisers @ 3 liters confirming to IS 9103-1999 reafirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6 (Page.No.14 & Item No-4.11)							
	For RCC Culvert Raft							
	SubhaschandraBose Layout							
	Muneshwara Temple Road							
Center	0.00	5.60	1	5.60	1.20	0.20	1.34	
RHS	0.00	5.60	1	5.60	1.20	0.20	1.34	
LHS	0.00	6.20	1	6.20	1.20	0.20	1.49	
Dead End	0.00	6.80	1	6.80	1.20	0.20	1.63	
	Mamma Rotti Road							
	L Shape 1st Cross Road (LHS)							
	0.00	13.20	1	13.20	1.20	0.20	3.17	
	0.00	8.10	1	8.10	1.20	0.20	1.94	
	L Shape 1st Cross Road (RHS)							
	0.00	7.00	1	7.00	1.20	0.20	1.68	
	0.00	6.20	1	6.20	1.20	0.20	1.49	
	0.00	4.40	1	4.40	1.20	0.20	1.06	
	0.00	7.80	1	7.80	1.20	0.20	1.87	
	Adithya Nagar							
	Main Road (RHS)							
	0.00	5.70	1	5.70	1.20	0.20	1.37	
	Akshay Layout							
	1st Cross Road (RHS)							
	0.00	8.10	1	8.10	1.20	0.20	1.94	
	2nd Cross Road (LHS)							
	0.00	8.40	1	8.40	1.20	0.20	2.02	
	2nd Cross Road (RHS)							
	0.00	8.40	1	8.40	1.20	0.20	2.02	
	Enrich Brindavana Layout Road (Doddabetthalli)							
	6th Main Road (LHS)							

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Item No :-	Description of Item		No	Length	Breadth	Depth	Qty	Rate	Amount
	0.00	5.30	2	5.30	0.25	0.90	2.39		
	0.00	7.60	2	7.60	0.25	0.75	2.85		
	Anugraha Layout								
	3rd Cross Road								
	0.00	4.30	2	4.30	0.25	0.75	1.61		
	Opposite to 3rd Cross Road								
	0.00	4.90	2	4.90	0.25	0.75	1.84		
	Towards Lotus Farm								
	6th Main Road (RHS)								
	0.00	7.60	2	7.60	0.25	0.80	3.04		
	Total Quantity Work Done						**99.32**	Cum	
	Quantity Payable in this Bill Done						**99.32**	**6058.53**	**601739.26**

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Contractor

Assistant Engineer

Asst, Executive Engineer

BHURAT BENGALURU MAHANAGAR PALIKE

YELAHANKA ZONE

Name of the work : Restoration and Improvements of Roads at Hesaraghatta Main road, G Ramaiah layout, Sai Archade layout, Vijaya bank layout, Adityanagara Phase-02, and Surrounding areas in ward no-03 of Yelahanka New town Sub-division

Date of Pre-Measurement :

First and Part

Pre-Measurement Sheet

Item No :-	Description of Item	No	Length	Breadth	Depth	Qty	Rate	Amount
12	Supply and fixing Precast reinforced concrete slab 10cm thick including cost of reinforcement as per design and drawing, material cost, transportation, hire charges of machinery, machine cutting the vertical face to get plain even surface etc., complete with all leads and lift conveynce charges, labour charges inclusive of cost of all materials.							
	For RCC Drain							
	SubhaschandraBose Layout							
	Muneshwara Temple Road (LHS)							
From Subhas chandraBose Layout Main Road	0.00	15.00	1	15.00		0.90	13.50	
	15.00	30.00	1	15.00		0.90	13.50	
	30.00	32.80	1	2.80		0.90	2.52	
	32.80	41.80	1	9.00				BS Slab
	41.80	56.80	1	15.00		0.90	13.50	
	56.80	71.80	1	15.00		0.90	13.50	
	71.80	86.80	1	15.00		0.90	13.50	
	86.80	101.80	1	15.00		0.90	13.50	
	101.80	116.80	1	15.00		0.90	13.50	
	116.80	125.10	1	8.30				BS Slab
	125.10	140.10	1	15.00		0.90	13.50	
	140.10	144.20	1	4.10		0.90	3.69	
	144.20	150.40	1	6.20				Culvert
	150.40	165.40	1	15.00		0.90	13.50	
	165.40	180.40	1	15.00		0.90	13.50	
	180.40	195.40	1	15.00		0.90	13.50	
	195.40	209.20	1	13.80		0.90	12.42	
	209.20	216.00	1	6.80				Culvert
	Towards Ambabhavani Layout Main Road							
	0.00	8.50	1	8.50		0.90	7.65	
	8th Cross Road (RHS)							
From Subhas chandraBose Layout Main Road	0.00	15.00	1	15.00		0.90	13.50	
	15.00	30.00	1	15.00		0.90	13.50	
	30.00	45.00	1	15.00		0.90	13.50	
	45.00	60.00	1	15.00		0.90	13.50	
	60.00	75.00	1	15.00		0.90	13.50	
	75.00	90.00	1	15.00		0.90	13.50	
	90.00	100.60	1	10.60		0.90	9.54	
	7th Cross Road (RHS)							
From Subhas	0.00	15.00	1	15.00		0.90	13.50	

Item No :-	Description of Item		No	Length	Breadth	Depth	Qty	Rate	Amount
chandraBose Layout Main Road	15.00	30.00	1	15.00		0.90	13.50		
	30.00	45.00	1	15.00		0.90	13.50		
	45.00	60.00	1	15.00		0.90	13.50		
	60.00	75.00	1	15.00		0.90	13.50		
	75.00	90.00	1	15.00		0.90	13.50		
	90.00	104.20	1	14.20		0.90	12.78		
1st Cross Road Lakshmi Polyclinic (RHS)									
From Subhas chandraBose Layout Main Road	0.00	15.00	1	15.00		0.90	13.50		
	15.00	30.00	1	15.00		0.90	13.50		
	30.00	45.00	1	15.00		0.90	13.50		
	45.00	57.10	1	12.10		0.90	10.89		
Mamma Rotti Road									
L Shape 1st Cross Road (LHS)									
From Lakshmipura Main Road	0.00	15.00	1	15.00		0.90	13.50		
	15.00	30.00	1	15.00		0.90	13.50		
	30.00	45.00	1	15.00		0.90	13.50		
	45.00	60.00	1	15.00		0.90	13.50		
	60.00	75.00	1	15.00		0.90	13.50		
	75.00	90.00	1	15.00		0.90	13.50		
	90.00	105.00	1	15.00		0.90	13.50		
	105.00	114.90	1	9.90		0.90	8.91		
	114.90	128.10	1	13.20				N/t	
	128.10	143.10	1	15.00		0.90	13.50		
	143.10	158.10	1	15.00		0.90	13.50		
	158.10	161.90	1	3.80		0.90	3.42		
	161.90	170.00	1	8.10				Culvert	
	170.00	185.00	1	15.00		0.90	13.50		
	185.00	200.00	1	15.00		0.90	13.50		
	200.00	215.00	1	15.00		0.90	13.50		
	215.00	230.00	1	15.00		0.90	13.50		
	230.00	245.00	1	15.00		0.90	13.50		
	245.00	260.00	1	15.00		0.90	13.50		
	260.00	275.00	1	15.00		0.90	13.50		
	275.00	290.00	1	15.00		0.90	13.50		
	290.00	305.00	1	15.00		0.90	13.50		
	305.00	320.00	1	15.00		0.90	13.50		
	320.00	332.70	1	12.70		0.90	11.43		
From 1st Cross Road (LHS)	0.00	15.00	1	15.00		0.90	13.50		
	15.00	30.00	1	15.00		0.90	13.50		
	30.00	45.00	1	15.00		0.90	13.50		
	45.00	60.00	1	15.00		0.90	13.50		
	60.00	75.00	1	15.00		0.90	13.50		
	75.00	90.00	1	15.00		0.90	13.50		
	90.00	105.00	1	15.00		0.90	13.50		
	105.00	120.00	1	15.00		0.90	13.50		
L Shape 1st Cross Road (RHS)									
	0.00	7.80	1	7.80				Culvert	

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Item No :-	Description of Item		No	Length	Breadth	Depth	Qty	Rate	Amount
From L Shape Road	15.00	30.00	1	15.00		0.90	13.50		
	30.00	45.00	1	15.00		0.90	13.50		
	45.00	60.00	1	15.00		0.90	13.50		
	60.00	75.00	1	15.00		0.90	13.50		
	75.00	90.00	1	15.00		0.90	13.50		
	90.00	103.20	1	13.20		0.90	11.88		
Anugraha Layout									
3rd Cross Road (LHS)									
From Ambabhavani Nagar	0.00	13.70	1	13.70				BS Slab	
	13.70	27.60	1	13.90		0.90	12.51		
	27.60	42.60	1	15.00		0.90	13.50		
	42.60	57.60	1	15.00		0.90	13.50		
	57.60	72.60	1	15.00		0.90	13.50		
	72.60	87.60	1	15.00		0.90	13.50		
	87.60	91.20	1	3.60		0.90	3.24		
3rd Cross Road (RHS)									
From Ambabhavani Nagar	0.00	16.10	1	16.10		0.90	14.49		
	0.00	15.00	1	15.00		0.90	13.50		
	15.00	30.00	1	15.00		0.90	13.50		
	30.00	45.00	1	15.00		0.90	13.50		
	45.00	60.00	1	15.00		0.90	13.50		
	60.00	75.00	1	15.00		0.90	13.50		
	75.00	90.00	1	15.00		0.90	13.50		
	90.00	91.20	1	1.20		0.90	1.08		
Opposite to 3rd Cross Road (LHS)									
From Ambabhavani Nagar	0.00	15.00	1	15.00		0.90	13.50		
	15.00	21.00	1	6.00		0.90	5.40		
Opposite to 3rd Cross Road (RHS)									
From Ambabhavani Nagar	0.00	15.00	1	15.00		0.90	13.50		
	15.00	25.00	1	10.00		0.90	9.00		
Adithya Nagar									
1st Cross Road (LHS)									
From Vinayaka Layout	0.00	15.00	1	15.00		0.90	13.50		
	15.00	30.00	1	15.00		0.90	13.50		
	30.00	33.80	1	3.80		0.90	3.42		
	33.80	35.80	1	2.00		0.90	1.80		
	35.80	50.80	1	15.00		0.90	13.50		
	50.80	65.80	1	15.00		0.90	13.50		
	65.80	80.80	1	15.00		0.90	13.50		
	80.80	83.80	1	3.00		0.90	2.70		
2nd Cross Road (LHS)									
From Vinayaka Layout	0.00	15.00	1	15.00		0.90	13.50		
	15.00	30.00	1	15.00		0.90	13.50		
	30.00	45.00	1	15.00		0.90	13.50		
	45.00	60.00	1	15.00		0.90	13.50		
	60.00	72.50	1	12.50		0.90	11.25		
2nd Cross Road (RHS)									

Item No :-	Description of Item		No	Length	Breadth	Depth	Qty	Rate	Amount
From 1st Main Road	11.10	20.10	1	9.00		0.90	8.10		
	20.10	30.40	1	10.30		0.90	9.27		
	30.40	40.20	1	9.80		0.90	8.82		
	40.20	42.80	1	2.60		0.90	2.34		
	42.80	56.20	1	13.40		0.90	12.06		
3rd Cross Road (RHS)									
From 1st Main Road	0.00	15.00	1	15.00		0.90	13.50		
	15.00	30.00	1	15.00		0.90	13.50		
	30.00	30.40	1	0.40		0.90	0.36		
	30.40	34.20	1	3.80		0.90	3.42		
	34.20	37.60	1	3.40		0.90	3.06		
	37.60	47.80	1	10.20		0.90	9.18		
	47.80	56.20	1	8.40		0.90	7.56		
2nd Cross Road (LHS)									
From 1st Main Road	0.00	15.00	1	15.00		0.90	13.50		
	15.00	20.40	1	5.40		0.90	4.86		
	20.40	25.30	1	4.90		0.90	4.41		
	25.30	29.00	1	3.70		0.90	3.33		
	29.00	44.00	1	15.00		0.90	13.50		
	44.00	56.40	1	12.40		0.90	11.16		
2nd Cross Road (RHS)									
From 1st Main Road	0.00	15.00	1	15.00		0.90	13.50		
	15.00	30.00	1	15.00		0.90	13.50		
	30.00	39.00	1	9.00		0.90	8.10		
	39.00	49.30	1	10.30		0.90	9.27		
	49.30	56.40	1	7.10		0.90	6.39		
1st Cross Road (LHS)									
From 1st Main Road	0.00	15.00	1	15.00		0.90	13.50		
	15.00	30.00	1	15.00		0.90	13.50		
	30.00	45.00	1	15.00		0.90	13.50		
	45.00	60.00	1	15.00		0.90	13.50		
	60.00	72.40	1	12.40		0.90	11.16		
1st Cross Road (RHS)									
From 1st Main Road	0.00	15.00	1	15.00		0.90	13.50		
	15.00	30.00	1	15.00		0.90	13.50		
	30.00	45.00	1	15.00		0.90	13.50		
	45.00	54.00	1	9.00		0.90	8.10		
	54.00	69.00	1	15.00		0.90	13.50		
	69.00	73.40	1	4.40		0.90	3.96		
	Total Quantity Work Done						4132.35	Sqm	
	Quantity Payable in this Bill Done						4132.35	1941.22	8021800.47

Contractor

Assistant Engineer

Asst, Executive Engineer

BHURAT BENGALURU MAHANAGAR PALIKE

YELAHANKA ZONE

Name of the work : Restoration and Improvements of Roads at Hesaraghatta Main road, G Ramaiah layout, Sai Archade layout, Vijaya bank layout, Adityanagara Phase-02, and Surrounding areas in ward no-03 of Yelahanka New town Sub-division

Date of Pre-Measurement :

First and Part

Pre-Measurement Sheet

Item No :-	Description of Item	No	Length	Breadth	Depth	Qty	Rate	Amount
13	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete. - do - 10 cms thick (Page No.27 & Item No- 5.31.2)							
	For RCC Drain							
	SubhaschandraBose Layout							
	Muneshwara Temple Road (LHS)							
From Subhas chandraBose Layout Main Road	0.00	15.00	1	15.00				
	15.00	30.00	1	15.00				
	30.00	32.80	1	2.80				
	32.80	41.80	1	9.00	0.90	8.10	BS Slab	
	41.80	56.80	1	15.00				
	56.80	71.80	1	15.00				
	71.80	86.80	1	15.00				
	86.80	101.80	1	15.00				
	101.80	116.80	1	15.00				
	116.80	125.10	1	8.30	0.90	7.47	BS Slab	
	125.10	140.10	1	15.00				
	140.10	144.20	1	4.10				
	144.20	150.40	1	6.20			Culvert	
	150.40	165.40	1	15.00				
	165.40	180.40	1	15.00				
	180.40	195.40	1	15.00				
	195.40	209.20	1	13.80				
	209.20	216.00	1	6.80			Culvert	
	Enrich Brindavana Layout Road (Doddabetthalli)							
	6th Main Road (RHS)							
From Layout Main Road	0.00	15.00	1	15.00				
	15.00	27.50	1	12.50				
	27.50	36.00	1	8.50			Culvert	
	36.00	51.00	1	15.00				
	51.00	66.00	1	15.00				
	66.00	81.00	1	15.00				
	81.00	96.00	1	15.00				
	96.00	111.00	1	15.00				
	111.00	126.00	1	15.00				
	126.00	134.70	1	8.70	0.90	7.83		
	134.70	142.30	1	7.60				
	142.30	157.30	1	15.00				

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Item No :-	Description of Item		No	Length	Breadth	Depth	Qty	Rate	Amount
	157.30	172.30	1	15.00					
	172.30	177.60	1	5.30				Culvert	
	177.60	185.70	1	8.10					
	185.70	200.70	1	15.00					
	200.70	214.40	1	13.70					
	214.40	219.50	1	5.10		0.90	4.59		
	219.50	234.50	1	15.00					
	234.50	249.50	1	15.00					
	249.50	264.50	1	15.00					
	264.50	277.50	1	13.00					
	277.50	285.10	1	7.60				Culvert	
	285.10	300.10	1	15.00					
	300.10	308.20	1	8.10					
	Anugraha Layout								
	3rd Cross Road (LHS)								
From Ambabhavani Nagar	0.00	13.70	1	13.70	0.90		12.33	BS Slab	
	13.70	27.60	1	13.90					
	27.60	42.60	1	15.00					
	42.60	57.60	1	15.00					
	57.60	72.60	1	15.00					
	72.60	87.60	1	15.00					
	87.60	91.20	1	3.60					
	Total Quantity Work Done						40.32	Sqm	
	Quantity Payable in this Bill Done						40.32	976.39	39368.04

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K. Venkatesh
Contractor

Assistant Engineer

Asst, Executive Engineer

BHURAT BENGALURU MAHANAGAR PALIKE

YELAHANKA ZONE

Name of the work : Restoration and Improvements of Roads at Hesaraghatta Main road, G Ramaiah layout, Sai Archade layout, Vijaya bank layout, Adityanagara Phase-02, and Surrounding areas in ward no-03 of Yelahanka New town Sub-division

Date of Pre-Measurement :

First and Part

Pre-Measurement Sheet

Item No :-	Description of Item	No	Length	Breadth	Depth	Qty	Rate	Amount
17	Providing and fixing pre cast solid cement concrete kerb stones made out of C.C. 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc., complete. (Page No.27 & Item No. 5.30)							
	For Kerb							
	SubhaschandraBose Layout							
	Muneshwara Temple Road (LHS)							
From Subhas chandraBose Layout Main Road	0.00	15.00	1	15.00			33.33	
	15.00	30.00	1	15.00			33.33	
	30.00	32.80	1	2.80			6.22	
	32.80	41.80	1	9.00			20.00	
	41.80	56.80	1	15.00			33.33	
	56.80	71.80	1	15.00			33.33	
	71.80	86.80	1	15.00			33.33	
	86.80	101.80	1	15.00			33.33	
	101.80	116.80	1	15.00			33.33	
	116.80	125.10	1	8.30			18.44	
	125.10	140.10	1	15.00			33.33	
	140.10	144.20	1	4.10			9.11	
	144.20	150.40	1	6.20				Culvert
	150.40	165.40	1	15.00			33.33	
	165.40	180.40	1	15.00			33.33	
	180.40	195.40	1	15.00			33.33	
	195.40	209.20	1	13.80			30.67	
	209.20	216.00	1	6.80				Culvert
	Towards Ambabhavani Layout Main Road							
	0.00	8.50	1	8.50			18.89	
	8th Cross Road (RHS)							
From Subhas chandraBose Layout Main Road	0.00	15.00	1	15.00			33.33	
	15.00	30.00	1	15.00			33.33	
	30.00	45.00	1	15.00			33.33	
	45.00	60.00	1	15.00			33.33	
	60.00	75.00	1	15.00			33.33	
	75.00	90.00	1	15.00			33.33	
	90.00	100.60	1	10.60			23.56	
	7th Cross Road (RHS)							

30/3/2022

Item No :-	Description of Item		No	Length	Breadth	Depth	Qty	Rate	Amount
From Subhas chandraBose Layout Main Road	0.00	15.00	1	15.00			33.33		
	15.00	30.00	1	15.00			33.33		
	30.00	45.00	1	15.00			33.33		
	45.00	60.00	1	15.00			33.33		
	60.00	75.00	1	15.00			33.33		
	75.00	90.00	1	15.00			33.33		
	90.00	104.20	1	14.20			31.56		
1st Cross Road Lakshmi Polyclinic (RHS)									
From Subhas chandraBose Layout Main Road	0.00	15.00	1	15.00			33.33		
	15.00	30.00	1	15.00			33.33		
	30.00	45.00	1	15.00			33.33		
	45.00	57.10	1	12.10			26.89		
Mamma Rotti Road									
L Shape 1st Cross Road (LHS)									
From Lakshmipura Main Road	0.00	15.00	1	15.00			33.33		
	15.00	30.00	1	15.00			33.33		
	30.00	45.00	1	15.00			33.33		
	45.00	60.00	1	15.00			33.33		
	60.00	75.00	1	15.00			33.33		
	75.00	90.00	1	15.00			33.33		
	90.00	105.00	1	15.00			33.33		
	105.00	114.90	1	9.90			22.00		
	114.90	128.10	1	13.20				N/t	
	128.10	143.10	1	15.00			33.33		
	143.10	158.10	1	15.00			33.33		
	158.10	161.90	1	3.80			8.44		
	161.90	170.00	1	8.10				Culvert	
	170.00	185.00	1	15.00			33.33		
	185.00	200.00	1	15.00			33.33		
	200.00	215.00	1	15.00			33.33		
	215.00	230.00	1	15.00			33.33		
	230.00	245.00	1	15.00			33.33		
	245.00	260.00	1	15.00			33.33		
	260.00	275.00	1	15.00			33.33		
	275.00	290.00	1	15.00			33.33		
	290.00	305.00	1	15.00			33.33		
	305.00	320.00	1	15.00			33.33		
	320.00	332.70	1	12.70			28.22		
From 1st Cross Road (LHS)	0.00	15.00	1	15.00			33.33		
	15.00	30.00	1	15.00			33.33		
	30.00	45.00	1	15.00			33.33		
	45.00	60.00	1	15.00			33.33		
	60.00	75.00	1	15.00			33.33		
	75.00	90.00	1	15.00			33.33		
	90.00	105.00	1	15.00			33.33		
	105.00	120.00	1	15.00			33.33		
L Shape 1st Cross Road (RHS)									
	0.00	7.80	1	7.80				Culvert	

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Item No :-	Description of Item		No	Length	Breadth	Depth	Qty	Rate	Amount
From L Shape Road	15.00	30.00	1	15.00			33.33		
	30.00	45.00	1	15.00			33.33		
	45.00	60.00	1	15.00			33.33		
	60.00	75.00	1	15.00			33.33		
	75.00	90.00	1	15.00			33.33		
	90.00	103.20	1	13.20			29.33		
Anugraha Layout									
3rd Cross Road (LHS)									
From Ambabhavani Nagar	0.00	13.70	1	13.70			30.44		
	13.70	27.60	1	13.90			30.89		
	27.60	42.60	1	15.00			33.33		
	42.60	57.60	1	15.00			33.33		
	57.60	72.60	1	15.00			33.33		
	72.60	87.60	1	15.00			33.33		
	87.60	91.20	1	3.60			8.00		
3rd Cross Road (RHS)									
From Ambabhavani Nagar	0.00	16.10	1	16.10			35.78		
	0.00	15.00	1	15.00			33.33		
	15.00	30.00	1	15.00			33.33		
	30.00	45.00	1	15.00			33.33		
	45.00	60.00	1	15.00			33.33		
	60.00	75.00	1	15.00			33.33		
	75.00	90.00	1	15.00			33.33		
	90.00	91.20	1	1.20			2.67		
Opposite to 3rd Cross Road (LHS)									
From Ambabhavani Nagar	0.00	15.00	1	15.00			33.33		
	15.00	21.00	1	6.00			13.33		
Opposite to 3rd Cross Road (RHS)									
From Ambabhavani Nagar	0.00	15.00	1	15.00			33.33		
	15.00	25.00	1	10.00			22.22		
Adithya Nagar									
1st Cross Road (LHS)									
From Vinayaka Layout	0.00	15.00	1	15.00			33.33		
	15.00	30.00	1	15.00			33.33		
	30.00	33.80	1	3.80			8.44		
	33.80	35.80	1	2.00			4.44		
	35.80	50.80	1	15.00			33.33		
	50.80	65.80	1	15.00			33.33		
	65.80	80.80	1	15.00			33.33		
	80.80	83.80	1	3.00			6.67		
2nd Cross Road (LHS)									
From Vinayaka Layout	0.00	15.00	1	15.00			33.33		
	15.00	30.00	1	15.00			33.33		
	30.00	45.00	1	15.00			33.33		
	45.00	60.00	1	15.00			33.33		
	60.00	72.50	1	12.50			27.78		
2nd Cross Road (RHS)									

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tem No :-	Description of Item		No	Length	Breadth	Depth	Qty	Rate	Amount
	30.40	40.20	1	9.80			21.78		
	40.20	42.80	1	2.60			5.78		
	42.80	56.20	1	13.40			29.78		
3rd Cross Road (RHS)									
From 1st Main Road	0.00	15.00	1	15.00			33.33		
	15.00	30.00	1	15.00			33.33		
	30.00	30.40	1	0.40			0.89		
	30.40	34.20	1	3.80			8.44		
	34.20	37.60	1	3.40			7.56		
	37.60	47.80	1	10.20			22.67		
	47.80	56.20	1	8.40			18.67		
2nd Cross Road (LHS)									
From 1st Main Road	0.00	15.00	1	15.00			33.33		
	15.00	20.40	1	5.40			12.00		
	20.40	25.30	1	4.90			10.89		
	25.30	29.00	1	3.70			8.22		
	29.00	44.00	1	15.00			33.33		
	44.00	56.40	1	12.40			27.56		
2nd Cross Road (RHS)									
From 1st Main Road	0.00	15.00	1	15.00			33.33		
	15.00	30.00	1	15.00			33.33		
	30.00	39.00	1	9.00			20.00		
	39.00	49.30	1	10.30			22.89		
	49.30	56.40	1	7.10			15.78		
1st Cross Road (LHS)									
From 1st Main Road	0.00	15.00	1	15.00			33.33		
	15.00	30.00	1	15.00			33.33		
	30.00	45.00	1	15.00			33.33		
	45.00	60.00	1	15.00			33.33		
	60.00	72.40	1	12.40			27.56		
1st Cross Road (RHS)									
From 1st Main Road	0.00	15.00	1	15.00			33.33		
	15.00	30.00	1	15.00			33.33		
	30.00	45.00	1	15.00			33.33		
	45.00	54.00	1	9.00			20.00		
	54.00	69.00	1	15.00			33.33		
	69.00	73.40	1	4.40			9.78		

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BHURAT BENGALURU MAHANAGAR PALIKE

YELAHANKA ZONE

Name of the work : Restoration and Improvements of Roads at Hesaraghatta Main road, G Ramaiah layout, Sai Archade layout, Vijaya bank layout, Adityanagara Phase-02, and Surrounding areas in ward no-03 of Yelahanka New town Sub-division

Date of Pre-Measurement

First and Part

Pre-Measurement Sheet

Item No -	Description of Item	No	Length	B1	B2	Breadth	Depth	Qty	Rate	Amount
26	KSRRB M500-19. Providing and laying bituminous concrete using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications. Clause 507 of MORTH V revision using40/60 TPH capacity H.M.P. with Mechanical Paver Gr-II (30 mm to 40 mm) with 5.4% VG-30 Bitumen									
	For Asphalt									
	SubhaschandraBose Layout									
	Muneshwara Temple Road									
From Subhas chandraBose Layout Main Road (Right Side road)	0.00	15.00	1	15.00	5.45	5.45	5.45	0.04	3.52	
	15.00	30.00	1	15.00	5.45	5.15	5.30	0.04	3.42	
	30.00	45.00	1	15.00	5.15	5.15	5.15	0.04	3.32	
	45.00	60.00	1	15.00	5.15	4.95	5.05	0.04	3.26	
	60.00	75.00	1	15.00	4.95	4.95	4.95	0.04	3.19	
	75.00	90.00	1	15.00	4.95	5.30	5.13	0.04	3.31	
	90.00	105.00	1	15.00	5.30	5.30	5.30	0.04	3.42	
	105.00	120.00	1	15.00	5.30	4.50	4.90	0.04	3.16	
	120.00	135.00	1	15.00	4.50	4.50	4.50	0.04	2.90	
	135.00	145.00	1	10.00	4.50	5.45	4.98	0.04	2.14	
	145.00	160.00	1	15.00	5.45	5.45	5.45	0.04	3.52	
	160.00	175.00	1	15.00	5.45	4.55	5.00	0.04	3.23	
	175.00	190.00	1	15.00	4.55	4.55	4.55	0.04	2.93	
	190.00	205.00	1	15.00	4.55	4.55	4.55	0.04	2.93	
	205.00	216.00	1	11.00	4.55	3.40	3.98	0.04	1.88	
	7th Cross Road									
From Subhas chandraBose Layout Main Road	0.00	15.00	1	15.00	7.00	7.00	7.00	0.04	4.52	
	15.00	30.00	1	15.00	7.00	6.50	6.75	0.04	4.35	
	30.00	45.00	1	15.00	6.50	6.80	6.65	0.04	4.29	
	45.00	60.00	1	15.00	6.80	6.45	6.63	0.04	4.27	
	60.00	75.00	1	15.00	6.45	6.80	6.63	0.04	4.27	
	75.00	90.00	1	15.00	6.80	7.00	6.90	0.04	4.45	
	90.00	105.00	1	15.00	7.00	6.70	6.85	0.04	4.42	
	1st Cross Road									
From Subhas chandraBose Layout Main Road	0.00	15.00	1	15.00	5.40	5.40	5.40	0.04	3.48	
	15.00	30.00	1	15.00	5.40	5.60	5.50	0.04	3.55	
	30.00	45.00	1	15.00	5.60	6.10	5.85	0.04	3.77	
	45.00	57.10	1	12.10	6.10	6.40	6.25	0.04	3.25	
	Enrich Brindavana Layout									
	Main Road									
From 6th Main Road	0.00	15.00	1	15.00	6.00	6.20	6.10	0.04	3.93	
	15.00	30.00	1	15.00	6.20	6.40	6.30	0.04	4.06	
	30.00	45.00	1	15.00	6.40	6.40	6.40	0.04	4.13	
	45.00	60.00	1	15.00	6.40	6.50	6.45	0.04	4.16	

Item No -	Description of Item		No	Length	B1	B2	Breadth	Depth	Qty	Rate	Amount
	60.00	75.00	1	15.00	6.50	6.50	6.50	0.04	4.19		
	75.00	77.00	1	2.00	6.50	6.60	6.55	0.04	0.56		
3rd Main Road											
From 6th Main Road	0.00	15.00	1	15.00	5.50	5.60	5.55	0.04	3.58		
	15.00	30.00	1	15.00	5.60	5.80	5.70	0.04	3.68		
	30.00	45.00	1	15.00	5.80	6.00	5.90	0.04	3.81		
	45.00	60.00	1	15.00	6.00	6.40	6.20	0.04	4.00		
	60.00	70.00	1	10.00	6.40	6.80	6.60	0.04	2.84		
4th Main Road											
From Main Road (L Shape)	0.00	15.00	1	15.00	5.50	5.30	5.40	0.04	3.48		
	15.00	30.00	1	15.00	5.30	5.20	5.25	0.04	3.39		
	30.00	45.00	1	15.00	5.20	5.30	5.25	0.04	3.39		
	45.00	48.80	1	3.80	5.30	4.40	4.85	0.04	0.79		
5th Main Road											
From Main Road (L Shape)	0.00	15.00	1	15.00	5.30	5.40	5.35	0.04	3.45		
	15.00	30.00	1	15.00	5.40	5.20	5.30	0.04	3.48		
	30.00	45.00	1	15.00	5.20	5.30	5.25	0.04	3.39		
	45.00	60.00	1	15.00	5.30	5.20	5.25	0.04	3.39		
	60.00	75.00	1	15.00	5.20	5.10	5.15	0.04	3.32		
	75.00	77.00	1	2.00	5.10	5.00	5.05	0.04	0.43		
	Total Quantity Work Done								158.14	Cum	
	Quantity Payable in this Bill Done								158.14	8534.82	1349670.96

Contractor

Assistant Engineer

Asst, Executive Engineer

BHURAT BENGALURU MAHANAGAR PALIKE

YELAHANKA ZONE

Name of the work : Restoration and Improvements of Roads at Hesaraghatta Main road, G Ramaiah layout, Sai Archade layout, Vijaya bank layout, Adityanagara Phase-02, and Surrounding areas in ward no-03 of Yelahanka New town Sub-division

Date of Pre-Measurement :

First and Part

Pre-Measurement Sheet

Item No :-	Description of Item	No	Length	Breadth	Depth	Qty	Rate	Amount
28	KSRB 800-1.Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. (Page No.180 & Item No.24.1)							
	For Kerb							
	SubhaschandraBose Layout							
	Muneshwara Temple Road (LHS)							
From Subhas chandraBose Layout Main Road	0.00	15.00	1	15.00		0.40	6.00	
	15.00	30.00	1	15.00		0.40	6.00	
	30.00	32.80	1	2.80		0.40	1.12	
	32.80	41.80	1	9.00		0.40	3.60	
	41.80	56.80	1	15.00		0.40	6.00	
	56.80	71.80	1	15.00		0.40	6.00	
	71.80	86.80	1	15.00		0.40	6.00	
	86.80	101.80	1	15.00		0.40	6.00	
	101.80	116.80	1	15.00		0.40	6.00	
	116.80	125.10	1	8.30		0.40	3.32	
	125.10	140.10	1	15.00		0.40	6.00	
	140.10	144.20	1	4.10		0.40	1.64	
	144.20	150.40	1	6.20				Culvert
	150.40	165.40	1	15.00		0.40	6.00	
	165.40	180.40	1	15.00		0.40	6.00	
	180.40	195.40	1	15.00		0.40	6.00	
	195.40	209.20	1	13.80		0.40	5.52	
	209.20	216.00	1	6.80				Culvert
	Towards Ambabhavani Layout Main Road							
	0.00	8.50	1	8.50		0.40	3.40	
	8th Cross Road (RHS)							
From Subhas chandraBose Layout Main Road	0.00	15.00	1	15.00		0.40	6.00	
	15.00	30.00	1	15.00		0.40	6.00	
	30.00	45.00	1	15.00		0.40	6.00	
	45.00	60.00	1	15.00		0.40	6.00	
	60.00	75.00	1	15.00		0.40	6.00	
	75.00	90.00	1	15.00		0.40	6.00	
	90.00	100.60	1	10.60		0.40	4.24	
	7th Cross Road (RHS)							
From Subhas chandraBose Layout Main Road	0.00	15.00	1	15.00		0.40	6.00	
	15.00	30.00	1	15.00		0.40	6.00	
	30.00	45.00	1	15.00		0.40	6.00	
	45.00	60.00	1	15.00		0.40	6.00	
	60.00	75.00	1	15.00		0.40	6.00	
	75.00	90.00	1	15.00		0.40	6.00	

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ಜಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

Item No :-	Description of Item		No	Length	Breadth	Depth	Qty	Rate	Amount
From 1st Main Road	15.00	30.00	1	15.00		0.40	6.00		
	30.00	45.00	1	15.00		0.40	6.00		
	45.00	60.00	1	15.00		0.40	6.00		
	60.00	72.40	1	12.40		0.40	4.96		
1st Cross Road (RHS)									
From 1st Main Road	0.00	15.00	1	15.00		0.40	6.00		
	15.00	30.00	1	15.00		0.40	6.00		
	30.00	45.00	1	15.00		0.40	6.00		
	45.00	54.00	1	9.00		0.40	3.60		
	54.00	69.00	1	15.00		0.40	6.00		
	69.00	73.40	1	4.40		0.40	1.76		
Doddabettahalli School Building									
School Front									
			2	15.00		0.40	12.00		
			2	15.00		0.40	12.00		
			2	3.90		0.40	3.12		
	Total Quantity Work Done						1876.12	Sqm	
	Quantity Payable in this Bill Done						1876.12	85.65	160689.68
								Sub Total	45439617.63
								Gst 12%	5452754.12
								Total Amount	50892371.75

Contractor

Assistant Engineer

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